



ATTORNEY DOCKET NO: KCX-842 (19559) DM-10/2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Boga, et al.) Group Art Unit: 1645
Serial No: 10/687,327) Examiner: Unknown
Filed: October 16, 2003) Our Account No: 04-1403
Confirmation No: 8506) Customer No: 22827
Title: Method And Device For Detecting Ammonia
Odors And Helicobacter Pylori Urease Infection)

Commissioner for Patents
U.S. Patent and Trademark Office
Post Office Box 1450
Alexandria, VA 22313-1450

Sir:

The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

1.[x] Attached hereto is:

- a.[x] A list of materials for consideration per Rule 98(a)(1): 3 page(s)
- b.[x] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98 and/or as indicated on the attached list(s):
41 item(s)
- c. [] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: _____

[] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2.[x] This Information Disclosure Statement is being filed [CHECK ONE]:

a.[x] WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.

b. [] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:

i. [] Certification per Rule 97(e); OR

ii. [] Filing Fee per Rule 17(p) \$180.00

c. [] AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is:

i. Certification per Rule 97(e); AND

ii. Filing fee per Rule 17(p) \$180.00

3. [] Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:

- a. [] That each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
- b. [] That no item of information contained in this Information Disclosure Statement was cited in a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable

inquiry, was known to any individual designated in Rule 56(c) more than three months prior to the filing of this statement.

CERTIFYING PARTY (if different from bottom signature; omission here indicates that certification is being made by signer per signature below).

Name: _____ Signature: _____
Address: _____ Date: _____

4.[x] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

5.[x] CERTIFICATE OF MAILING: This Information Disclosure Statement is being filed pursuant to [CHECK AND COMPLETE ONE]:

a.[x] First Class Mail Certificate of Mailing under Rule 8:

I hereby certify that this correspondence and any referenced attachment and/or fee are being deposited with the United States Postal Service as first class mail in an envelope addressed to the:

Commissioner for Patents
U.S. Patent and Trademark Office
Post Office Box 1450
Alexandria, VA 22313-1450

on April 20, 2004.

Sandra S. Perkins

(Typed/printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

b.[] "Express Mail" Certificate under Rule 10:

"Express Mail" – Label No. _____

Date of Deposit _____

I hereby certify that this paper and all attachments and any fee are being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the:

Commissioner for Patents
U.S. Patent and Trademark Office
Post Office Box 1450
Alexandria, VA 22313-1450.

(Typed/printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

ADDRESS:

Post Office Box 1449
Greenville, SC 29602 USA
Customer ID No.: 22827
Telephone: 864-271-1592
Facsimile: 864-233-7342

DORITY & MANNING, ATTORNEYS AT LAW, P.A.

By: Christina L. Mangelsen, Patent Agent

Reg. No: 50,244

Signature: 

Date: April 20, 2004



<p style="text-align: right;">REV. 5/92 U.S. TRADE REGISTRY</p> <p>Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)</p>	Attorney Docket Number:	Serial Number:
	KCX-842 (19559)	10/687,327
	Applicant:	
	Boga, et al.	
Filing Date:	Group Art Unit:	
October 16, 2003	1645	
Confirmation No:		
8506		

NOTE: If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]

- (1) This item is cumulative, per Rule 98(c)
(2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in:
 USSN _____, filed _____, or
 USSN _____, filed _____;
(3) Relied on under 35 U.S.C. Section 120, per Rule 98(d)
(4) Both reasons (1) and (2) apply
(4) No legible complete copy is possessed, in custody of controlled, or readily available
(5) Per the U.S. Patent and Trademark Office's waiver of Rule 98(a)(2)(i), the item is a U.S. patent or patent application publication, and the present application was filed after June 30, 2003.

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
		Davis	R	E	3	0	7	9	7	11/17/1981	5
		Davis	R	E	3	0	8	0	3	11/24/1981	5
		Tratnyek	4	4	0	7	9	6	0	10/04/1983	5
		Aoyama, et al.	4	9	7	8	6	1	5	12/18/1990	5
		Watanabe, et al.	4	9	8	8	5	0	5	01/29/1991	5
		Kavassalis, et al.	5	2	0	9	9	9	8	05/11/1993	5
		Abe, et al.	5	3	4	2	8	7	6	08/30/1994	5
		Law, et al.	5	3	9	7	6	6	7	03/14/1995	5
		Spencer, et al.	5	4	2	0	0	9	0	05/30/1995	5
		Spencer, et al.	5	4	8	7	9	3	8	01/30/1996	5
		El-Shall, et al.	5	5	8	0	6	5	5	12/03/1996	5
		Matijevic, et al.	5	8	7	1	8	7	2	02/16/1999	5
		Abe, et al.	5	9	8	9	5	1	0	11/23/1999	5
		Spencer, et al.	6	1	7	2	1	7	3	01/09/2001	5
		Weinstrauch	6	1	7	7	6	0	8	01/23/2001	5
		Law, et al.	6	1	9	0	8	1	4	02/20/2001	5
		Oldenburg, et al.	6	3	4	4	2	7	2	02/05/2002	5
		Hoshino, et al.	6	3	5	8	5	3	7	03/19/2002	5
		Wellingshoff, et al.	6	4	1	0	7	6	5	06/25/2002	5
		Bosch, et al.	6	4	2	8	8	1	4	08/06/2020	5
		Wu, et al.	6	4	6	7	8	9	7	10/22/2002	5
		Tan, et al.	6	5	4	8	2	6	4	04/15/2003	5
		Raymond, et al.	6	5	7	8	5	2	1	06/17/2003	5

U.S. PATENT APPLICATION PUBLICATIONS

(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)		Attorney Docket Number: KCX-842 (19559)	Serial Number: 10/687,327
		Applicant: Boga, et al.	
		Filing Date: October 16, 2003 Confirmation No: 8506	Group Art Unit: 1645

FOREIGN PATENT DOCUMENTS												
EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER							PUBLICATION DATE	TRANSLATION		COPY NOTE
		0	3	4	8	9	7	8		YES	NO	
	EP	0	3	4	8	9	7	8	A2	01/03/1990		X
	EP	0	4	8	3	5	0	0	A1	05/06/1992		X
	EP	0	5	1	0	6	1	9	A1	10/28/1992		X
	WO	8	9	0	2	6	9	8	A1	04/06/1989		X
	WO	9	1	1	2	0	2	9	A1	08/22/1991		X
	WO	9	1	1	2	0	3	0	A1	08/22/1991		X
	WO	9	1	1	1	9	7	7	A1	08/22/1991		X
	WO	9	6	1	9	3	4	6	A2 & A3	06/27/1996		X

*"NO" means that no copy of an English language translation is within the possession, custody, or control of, or is readily available to any individual designated in Rule 56(c).

EXAMINER INITIALS	OTHER DOCUMENTS Specify author (if any), Title, Pertinent Pages, Date & Place of Publication			COPY NOTE
	Article – <i>Adsorption of Dyes on Nanosize Modified Silica Particles</i> , Guangwei Wu, Athanasia Koliadima, Yie-Shein Her, and Egon Matijevic, Journal of Colloid and Interface Sciences, Vol. 195, 1997, pp. 222-228			
	Article – <i>Adsorption of Proteins and Antibiotics on Porous Alumina Membranes</i> , Yi Hua Ma, Aseem Bansal, and William M. Clark, Fundamentals of Adsorption, Vol. 80, 1992, pp. 389-396			
	Product Information Sheet for Snowtex®, 6 pages			
	Article – <i>Significance of Ammonia in the Genesis of Gastric Epithelial Lesions Induced by Helicobacter pylori: An in vitro Study with Different Bacterial Strains and Urea Concentrations</i> , P. Sommi, V. Ricci, R. Fiocca, M. Romano, K.J. Ivey, E. Cova, E. Solcia, and U. Ventura, Digestion, Vol. 57, 1996, pp. 299-304			
	Article – <i>Ammonia vapour in the mouth as a diagnostic marker for Helicobacter pylori infection: preliminary "proof of principle" pharmacological investigations</i> , C. D. R. Dunn, M. Black, D. C. Cowell, C. Penault, N. M. Ratcliffe, R. Spence, and C. Teare, British Journal of Biomedical Science, Vol. 58, 2001, pp. 66-76			

(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a)(1) (Use several sheets if necessary)		Attorney Docket Number: KCX-842 (19559)	Serial Number: 10/687,327
		Applicant: Boga, et al.	
		Filing Date: October 16, 2003 Confirmation No: 8506	Group Art Unit: 1645

	Article – <i>Purification and Characterization of Urease from Helicobacter pylori</i> , Bruce E. Dunn, Gail P. Campbell, Guillermo I. Perez-Perez, and Martin J. Blaser, <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 16, June 5, 1990, pp. 9464-1990		
	Article – <i>Validation of ¹³C-Urea Breath Test for the Diagnosis of Helicobacter Pylori Infection in the Singapore Population</i> , T. S. Chua, K. M. Fock, E. K. Teo, T. M. Ng, <i>Singapore Medical Journal</i> , Vol. 43, No. 8, 2002, pp. 408-411		
	Article – <i>Significance of ammonia produced by Helicobacter pylori</i> , Shigeji Ito, Yoshihiro Kohli, Takuji Kato, Yoshimichi Abe, and Takashi Ueda, <i>European Journal of Gastroenterology & Hepatology</i> , Vol. 6, No. 2, 1994, pp. 167-174		
	Article – <i>Spectrophotometric Assay of Thiols</i> , Peter C. Jocelyn, <i>Methods in Enzymology</i> , Vol. 142, 1987, pp. 44-67		
EXAMINER		DATE CONSIDERED	
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.			